

MET-L-CHEK COMPANY -- VP-30 VISIBLE PENETRANT -- 6850-01-267-7989

===== Product Identification =====

Product ID:VP-30 VISIBLE PENETRANT  
MSDS Date:01/01/2001  
FSC:6850  
NIIN:01-267-7989  
Status Code:A  
MSDS Number: CLJSQ  
=== Responsible Party ===  
Company Name:MET-L-CHEK COMPANY  
Address:1639 EUCLID ST  
Box:00000  
City:SANTA MONICA  
State:CA  
ZIP:90404  
Country:US  
Info Phone Num:310-450-1111/FAX 452-4046  
Eme  
rgency Phone Num:(800)424-9300  
Preparer's Name:NOT PROVIDED  
Chemtec Ind/Phone:(800)424-9300  
CAGE:98733

=== Contractor Identification ===  
Company Name:MET-L-CHEK COMPANY  
Address:1639 EUCLID ST  
Box:00000  
City:SANTA MONICA  
State:CA  
ZIP:90404  
Country:US  
Phone:310-450-1111/FAX 310452-4046  
Contract Num:SP0450-01-M-ZG10  
CAGE:98733

===== Composition/Information on Ingredients =====

Ingred Name:ALIPHATIC PETROLEUM DISTILLATES  
CAS:64742-88-7  
Minimum % Wt:40.  
Maximum % Wt:60.  
Other REC

Limits:100 PPM (MFR)

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===== Hazards Identification =====

LD50 LC50 Mixture:NOT PROVIDED

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE CONTACT: LIQUID MAY CAUSE MILD IRRITATION, REDNESS, TEARING AND STINGING OF EYES. SKIN CONTACT: MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY OUT THE SKIN DUE TO DEFATTING OF SKIN. SYMPTOMS

MAY INCLUDE

REDNESS, BURNING, AND CRACKING OF SKIN. SWALLOWING: SMALL AMOUNTS MAY NOT PRODUCE HARMFUL EFFECTS. LARGE AMOUNTS MAY BE HARMFUL. INHALATION: SMALL AMOUNTS MAY NOT BE HARMFUL. LARGE AMOUNTS MAY BE HARMFUL.

Explanation of Carcinogenicity:THIS MATERIAL IS NOT LISTED AS A CARCINOGEN BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, THE NATIONAL TOXICOLOGY PROGRAM, OR OSHA.

Effects of Overexposure:STOMACH OR INTESTINAL UPSET (NAUSEA, VOMITING, DIARRHEA), I

RRITATION (NOSE, THROAT, AIRWAYS), CENTRAL NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, FATIGUE, HEADACHE, UNCONSCIOUSNESS).

Medical Cond Aggravated by Exposure:NOT PROVIDED

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===== First Aid Measures =====

First Aid:EYES: FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. SEEK MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND WATER. IF SYMPTOMS PERSIST, SE EK MEDICAL ATTENTIO

N. LAUNDER CLOTHING BEFORE

REUSE. CLEAN SHOES BEFORE REUSE. SWALLOWING: CALL PHYSICIAN IMMEDIATELY. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE INDI VIDUAL ON THEIR LEFT SIDE WITH HEAD DOWN. DO NOT LEAVE INDIVIDUAL UNATTENDED. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT. GIVE OXYGEN. GE T MEDICAL ATTENTION.

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===== Fire Fighting Measures =====

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Flash Point Method:TCC

Flash Point:=62.2C, 144.F

Autoignition Temp:=226.7C, 440.F

Lower Limits:1.0

Upper Limits:6.0

Extinguishing Media:DRY CHEMICAL, REGULAR FOAM OR CARBON DIOXIDE.

Fire Fighting Procedures:WATER MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL. WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

Unusual Fire/Explosion

Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND TO DISTANT IGNITION SOURCE. SEALED CONTAINERS MAY RUPTURE WHEN HEATED. EMPTY CONTAINER MAY CONTAIN VAPORS AND RESIDUES.

===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. ISOLATE HAZARD AREA. WEAR PROTECTIVE GEAR, KEEP UNNECESSARY PERSONNEL AWAY. CONTAIN AND RECOVER LIQUID WHEN POSSIBLE. USE NON-SPARKING TOOLS.

COLLECT LIQUID IN AN APPROPRIATE CONTAINER OR ABSORB WITH INERT MATERIAL SUCH AS VERMICULITE, DRY SAND, OR EARTH; DO NOT USE COMBUSTIBLE MATERIALS, AND PLACE IN CHEMICAL WASTE CONTAINER. DO NOT FLUSH TO SEWER.

Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE. STORE IN A COOL, DRY WELL-VENTILATED LOCATION, AWAY FROM AREAS WHERE FIRE HAZARD OR IGNITION SOURCES MAY EXIST. OUTSIDE OR DETACHED STORAGE IS PREFERRED. CONTAINERS SHOULD BE GROUNDED FOR TRANSFERS TO AVOID STATIC SPARKS. STORE AND USE IN NO SMOKING AREA.

Other Precautions:CONTAINERS MAY BE HAZARDOUS WHEN EMPTY SINCE RESIDUE LIQUID AND VAPORS MAY BE PRESENT. USE NON-SPARKING TOOLS. ANY USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSING SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS.

===== Exposure Controls/Personal Protection =====

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Respiratory Protection:PERSONAL RESPIRATORS (NIOSH APPROVED) IF EXPOSURE LIMIT IS EXCEEDED.

Ventilation:A SYSTEM OF LOCAL OR GENERAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURE BELOW THE AIRBORNE EXPOSURE LIMITS. LOCAL EXHAUST PREFERRED TO CONTROL AT SOURCE.

Protective Gloves:WEAR RESISTANT GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES, SAFETY GLASSES OR FULL FACE SHIELD.

Other Protective Equipment:TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS. EYE WASH AND QUICK-DRENCH FACILITIES SHOULD BE NEAR WORK AREA.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

GENERAL OR GENERIC ID: AMS-2644, TYPE I I, METHODS A & C, PENETRANT.

===== Physical/Chemical Properties =====

HCC:V4

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=179.4C, 355.F

Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres: